SONY TRINITRON® COMPONENT TV

KX-1901A

US Model
Chassis No. SCC-384B

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼ W unless otherwise noted. k: 1000 Ω, M: 1000 kΩ
- Resistors on the K board are in ohms, 1/6W unless otherwise noted.
  kΩ : 1000Ω, MΩ : 1000kΩ
- ▭ : nonflammable resistor.
- ▭ : fusible resistor
- △ : internal component.
- ▭ : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

- The components identified by ⧓ in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by ◪, make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by ⧓ and repeat the adjustment until the specified value is achieved. (Refer to HV HOLD DOWN Adjustment on page 13.)

Part replaced (◪)	Adjustment (⧓)
Q510, Q511, R508, R532, R537, R538, R540, R541, R545, R551A, R552, R561, R567, R569, R588, R590, D501, D502, D514, IC501	R532 adjustment

- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 10 M ohm-per-volt VOM.
- ▭ : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- ——: B+ bus.
- – – –: B– bus.
- no mark: common with composite signal
  ( ): D/RGB
  [ ]: A/RGB

SCHEMATIC DIAGRAM

NOTE: BA Board
When replacing L313A, L319, L320, mount so that they closely touch the board.

CAUTION
Be sure to connect the connector (C-1) for safety.

CAUTION
When taking a broken fuse (F603) off, discharge across C604 to avoid shock hazard.

⧓ : See page 13.

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